

# Data Sheet

We make sure



## AMILO Notebook Li 3910

### Your entry into mobile computing

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Enter the world of mobile home computing, surf the Internet, write e-mails or watch DVDs – the AMILO Notebook L Series offers you reliable devices for your everyday tasks and more.

### Key Features

#### Processor technology

- Intel® mobile processor technology with Intel® Celeron® (single or dual-core) or Intel® Pentium® (dual-core) processors for great performance – wherever you are

#### Operating System

- Windows Vista® Home Basic or Home Premium

#### Entertainment and Multimedia

- Enjoy your favorite Hollywood blockbuster on the big 17" (16:10) or 18.4" (16:9) LCD WXGA+ or HD+ display with BrilliantView technology for vivid colors, amazing sharpness and impressive contrast
- The integrated AMILOcam with low-light technology for great video-quality even in low-light conditions and the built-in microphone are perfect for Internet telephony (VoIP) and video chats

#### Mobile technology

- Integrated Wireless LAN to go online when and wherever you are

#### More convenience thanks to

- The spill-proof keyboard<sup>1</sup> that protects your notebook against accidentally spilt liquids
- The silent mode function that causes a noticeable reduction in fan noise
- The built-in DVD drive to store and secure data comfortably on the move
- The extra number block



## Fujitsu Siemens Computers recommends Windows Vista® Home Premium

**Operating system<sup>2</sup> and Recovery**

Operating system	Genuine Windows Vista® Home Premium (32-bit version), Genuine Windows Vista® Home Basic (32-bit version) or no preinstalled operating system <sup>3</sup>
Fujitsu Siemens Computers Recovery Program	Backup and restore the original status of the hard disk and create system restore disks  or individual recovery media on CD or DVD are included

**Product Design**

Color	Eclipse black
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**System Architecture**

Platform	Intel® mobile processor technology
Chipset	Intel® GL40, ICH9-M

**Processor<sup>2</sup>**

Intel® Celeron® 575	2.0 GHz, 667 MHz, 1 MB L2 cache, single-core
Intel® Celeron® T1600	1.66 GHz, 667 MHz, 1 MB L2 cache, dual-core
Intel® Pentium® T3200	2.0 GHz, 667 MHz, 1 MB L2 cache, dual-core
Intel® Pentium® T3400	2.16 GHz, 667 MHz, 1 MB L2 cache, dual-core

**Memory**

Memory speed	2 SO-DIMM memory slots (no memory on board)
Memory type	667 MHz
Memory modules	DDR 2 RAM
Max. memory size <sup>2, 4</sup>	1024 or 2048 MB
	4096 MB

**Drives****Hard disk drive**

HDD type	SATA
HDD size	2.5-inch
HDD speed	5400 rpm
HDD cache	8 MB
HDD capacity <sup>2</sup>	160, 250, 320 or 500 GB

**Optical disc drive (built-in)**

ODD type	SATA
ODD technology	SuperMulti-format DVD burner with double layer (DL) support
ODD read speed	CD-ROM 24x, DVD-ROM 8x
ODD write speed	CD-R 24x, CD-RW 16x, DVD+R 8x, DVD-R 8x, DVD+RW 8x, DVD-RW 6x, DVD+R DL (8.5 GB) 4x, DVD-R DL (8.5 GB) 4x, DVD-RAM 5x

**Display**

Display type	BrilliantView LCD
Aspect ratio	16:10
Resolution type	WXGA+
Display size	17-inch
Display resolution (intern)	1440 x 900 pixels
Display resolution (extern)	1920 x 1200 pixels (WUXGA) for 16:10 display; 2048x 1536 pixels (QXGA) for 4:3 display
Reaction time (typ.)	16 ms
Brightness (typ.)	200 NIT
Contrast (typ.)	350 : 1
Compliance with standards	ISO 13406-2 class II

**Option<sup>2</sup>**

Display type	BrilliantView LCD
Aspect ratio	16:9
Resolution type	HD+
Display size	18.4-inch
Display resolution (intern)	1680 x 945 pixels
Display resolution (extern)	1920 x 1200 pixels (WUXGA) for 16:10 display; 2048x 1536 pixels (QXGA) for 4:3 display
Reaction time (typ.)	8 ms
Brightness (typ.)	200 NIT
Contrast (typ.)	600 : 1
Compliance with standards <sup>5</sup>	ISO 13406-2 class II

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**Graphics**

Graphic card full name	-
Dedicated video memory	-
Onboard graphics chip	Mobile Intel® Graphics Media Accelerator 4500M
Shared video memory <sup>6</sup>	Up to 1759 MB shared memory
3D Benchmark 2006	Up to 600 points (depending on configuration)
Features	<ul style="list-style-type: none"> <li>■ DirectX® 10 support</li> </ul>

**Interfaces**

Video	1x VGA
Audio	1x line in, 1x microphone in, 1x headphone out and line out combined with S/PDIF out
Network	1x LAN (RJ-45)
Data	3x USB 2.0, 1x ExpressCard slot (54 / 34 mm) 1x 13-in-1 card reader (with dedicated adapter) <sup>7</sup> MS, SD, miniSD, MicroSD, MMC, RS-MMC, MMC-Micro, Mobile MMC MSPRO, MS-Duo, MS-PRO Duo, MS-Pro HG Duo, M2
Power supply	1x DC-in

**Communication**

Integrated Bluetooth®	-
LAN (Local Area Network)	10 / 100 Mbps
Built-in WLAN (Wireless Local Area Network)	Yes
WLAN type	IEEE 802.11b/g
WLAN max. connect rate	Up to 54 Mbps
WLAN encryption	WEP, WPA and WPA2
For use in	BE, CH, DK, DE, EE, FI, FR, EL, IE, IS, IT, LI, LV, LT, LU, MT, NL, NO, PL, AT, PT, SE, SK, ES, CZ, HU, UK, CY

**Multimedia**

<b>Audio</b>	Support of high-definition audio for S/PDIF output with up to 7.1 channels
Audio chip	Realtek ALC662-GR
Speakers	2x built-in speakers (1 W each)
Microphone	1x built-in microphone
Subwoofer	-
Input device	Sound volume control via function keys

**AMILOcam**

Image sensor	VGA webcam
Frames per second	30 <sup>8</sup>
Features	<ul style="list-style-type: none"> <li>■ Automatic brightness adjustment with status LED (blue: on, red: streaming / application on)</li> <li>■ Low-light technology for great video-quality even in dark surrounding</li> </ul>

**Input devices / Control buttons**

Power button	Located left of the keyboard, back-lighted
Keyboard	Spill-proof keyboard <sup>1</sup> with 85 keys, 21 key number block
Touchpad	Hidden touchpad, with left and right mouse button, scroll function and touchpad disable function via function key combination (Fn+F6)

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Hot keys	<p>The following hot keys or key combinations are available</p> <ul style="list-style-type: none"> <li>■ Fn+F1 WLAN on / off</li> <li>■ Fn+F3 Mute on / off</li> <li>■ Fn+F4 Volume down</li> <li>■ Fn+F5 Volume up</li> <li>■ Fn+F6 Touchpad on / off</li> <li>■ Fn+F7 AMILOcam on / off</li> <li>■ Fn+F8 Brightness down</li> <li>■ Fn+F9 Brightness up</li> <li>■ Fn+F10 Display switch</li> <li>■ Fn+F11 Silent mode</li> <li>■ Fn+F12 Suspend</li> </ul> <p>Number block 4 individually configurable quick-start application buttons (A1, A2, A3, A4)</p>
<b>Status indicators</b>	<p>The notebook has 3 status LEDs:</p> <ul style="list-style-type: none"> <li>■ Power status (&amp; suspend) Blue (always on): on; Blue blinking: stand by; None: off</li> <li>■ Battery charge Blue (always on): full; Blue blinking: charging; Red blinking: &lt; 10 % capacity</li> <li>■ WLAN Blue: on; None: off</li> </ul>
<b>Security</b> Supervisor and user password Kensington lock Lid switch (hidden)	<p>Yes Yes Yes</p>
<b>ACPI functions</b>	<p>ACPI 3.0 compliant for Vista requirement</p> <ul style="list-style-type: none"> <li>■ Power on stand by (S1 LCD off)</li> <li>■ Stand by / energy saving mode (S3 save to RAM)</li> <li>■ Hibernate mode (S4 save to disk)</li> <li>■ Off mode (S5 soft off)</li> </ul>
<b>Power System</b> <b>Battery<sup>9</sup></b> Battery type   Battery life (idle mode) <sup>10</sup> Battery life (DVD playback) <sup>11</sup> Battery charging time (idle mode) Battery charging time (maximum active mode) <sup>12</sup> Battery charging time (normal use) <sup>13</sup> Battery charging time (off mode)  <b>Energy consumption</b> S0 (idle mode) S0 (max. active mode) <sup>14</sup> S3 (stand by / energy saving mode) S4 (hibernate) S5 (off mode)  <b>Noise emission</b> Idle mode <sup>15</sup> Maximum active mode <sup>16</sup>  <b>AC Adapter</b> Wide Range AC adapter Output  <b>Operating conditions</b> Operational	<p>Lithium-Ion battery 6 cells, 10.8 V / 2200 mAh (cell) / 4400 mAh (pack)</p> <p>Up to 3:10 hours Up to 1:50 hours (depending on usage) Up to 1:40 hours Up to 2:20 hours (depending on usage) Up to 1:50 hours (depending on usage) Up to 1:40 hours</p> <p>22.4 W 56.4 W (depending on usage) 0.36 W 0.2 W 0.08 W</p> <p>28 dBA (silent mode off) 35 dBA (silent mode off, no ODD activity)</p> <p>Dynamic charge supported, ACPI 3.0 supported 110 - 240 V AC, 50 - 60 Hz 65 W with 20 V DC, 3.25 A</p> <p>5 °C to 35 °C (ambient temperature) 10 % to 90 % relative humidity, non-condensing</p>

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<b>Dimensions and weight</b>	
W x D x H	438 x 285 x 21 (front) / 38 (back) mm
Weight	3.3 kg <sup>17</sup> (incl. battery pack)
<b>Certifications</b>	
	GOST (WLAN) CE Marking R&TTE (WLAN, Bluetooth®)
<b>Warranty</b>	
	Country specific terms
<b>Application Software</b>	
Home office	Microsoft® Works Microsoft® Office Home and Student Trial Adobe Reader Windows Mail (within Vista operating system) Windows Calendar (within Vista operating system)
Multimedia	Nero Essentials S (CD / DVD write software) Vista DVD Playback Pack (DVD playback software) Windows Media Player (within Vista operating system)  Optional <sup>2</sup> Windows Media Center (within Windows Vista® Home Premium operating system)
Internet	Microsoft® Internet Explorer Country specific Internet provider
Security	Norman security software solution
<b>Supplied Accessories</b>	
Included	AC adapter 65 W First Battery 6 cells
Optional	Find out more: <a href="http://www.fujitsu-siemens.com/accessories">www.fujitsu-siemens.com/accessories</a>
Manuals	Manual (on hard disk), quick start guide, safety guide, warranty guide, recovery guide
Drivers	Updates downloadable at <a href="http://www.fujitsu-siemens.com">http://www.fujitsu-siemens.com</a>

<sup>1</sup> DISCLAIMER: The keyboard is spill-proof up to 50ml. This is enough to protect your notebook from an accidental spill. However, we recommend a backup as well as a system shut-down should liquids come into contact with the keyboard. The spill-proof protection does not prevent data loss caused by water damage. If this should happen, please contact your local customer service desk.

<sup>2</sup> Depending on exact configuration. Please check at your local retailer

<sup>3</sup> DISCLAIMER: If system is shipped without operating system, there is no additional application software preinstalled

<sup>4</sup> DISCLAIMER: Up to 1 GB may not be available with 32-bit operating systems due to system resource requirements if system is preinstalled with 4096 MB RAM

<sup>5</sup> Valid for all display types

<sup>6</sup> Shared video memory size may vary depending on configuration and the version of the operating system. The video memory size that is displayed in the system information software, as well as the actually used video memory size depends on Microsoft® Windows Vista® memory management. The following values might serve as orientation

- 1024 MB system memory enables up to 253 MB total video memory (dedicated plus shared memory)

- 2048 MB system memory enables up to 765 MB total video memory (dedicated plus shared memory)

- 3072 MB system memory enables up to 1277 MB total video memory (dedicated plus shared memory)

- 4096 MB system memory enables up to 1759 MB total video memory (dedicated plus shared memory)

<sup>7</sup> An adapter is needed for the following card formats: RS-MMC, MMC-Micro, Mobile MMC, miniSD, MicroSD, MS-Duo, MS-PRO Duo, MS-Pro HG Duo, M2

<sup>8</sup> AMILOcam frame rate can vary significantly depending on the used software application

<sup>9</sup> DISCLAIMER: Battery life may vary depending on product model, configuration, applications, power management settings and features utilized. Recharge time varies depending on usage. The recharge capacity may decrease after some months so that the battery lifetime as well as operating time can not be assured for the whole lifetime of the notebook

<sup>10</sup> Tested with Battery Mark 4.0.1 ("power saver mode")

<sup>11</sup> DVD playback tested with Vista DVD playback

<sup>12</sup> DVD playback tested with Vista DVD playback (0% to 90%)

<sup>13</sup> Tested with 3DMark 2003

<sup>14</sup> Tested with 3DMark 2003

<sup>15</sup> Tested according to ISO 7779 and ISO 9296

<sup>16</sup> Tested according to ISO 7779 and ISO 9296

<sup>17</sup> Weight may vary depending on actual configuration

**The configuration described in this document is generic only and non-binding. For the exact configuration of your AMILO, please contact your licensed dealer.**